

**Objective:**

-to ensure that all center fabrication development, manufacturing, and verification requirements for products and services are correctly defined, documented, and performed

Approval _____
 Associate Director for Research and Technology Competencies

General Information

The following records are generated by this procedure and are maintained in accordance with CID 1440.7:

- Work Request Package (shall contain LF 133 and may contain LF 133A, 136, 212, 213, 214, 349, 205, 211, 203, 149, or 143, sketches or drawings)
- Tool Check-out record (LF 210)
- Temporary Record Package (shall contain LF 133, may contain sketches or drawings)

Note 1

Use LF 133, Fabrication Work Request, to document fabrication development, manufacturing, and verification requirements for hardware products as required. Documentation requirements will be identified during contract review between the requester and the fabrication representative.

Note 2

Contractual resources may be required for fabrication, see LMS-OP-5641.

Note 3

Log can consist of the following:

- database
- spreadsheet
- log book

Log-In

The work request must be documented and logged in as follows:

- Assign a unique identifier to identify the work request
- Assign a responsible person
- Record the date work request is initiated

Definitions**Fabrication Work Request (FWR)**

The LF 133, Fabrication Work Request will be referred to as an FWR.

Note 4

The following forms are used for recording the following work activities as appropriate:

- LF 133 -FWR, use to capture task and documentation requirements
- LF 133A -Use as a supplement to the LF 133
- LF 136 -Use when prescribed by a document or the requester needs documentation
- LF 143 -Nonconformance Failure Report (NFR), use to document nonconformances per prescribing document
- LF 149 -Nonconformance Report (NCR), use to document nonconformances when no prescribing document exists (when a NFR is not required)
- LF 203 -Use for tracking materials
- LF 205 -Use of calibrated equipment
- LF 210 -Tool check out record
- LF 211 -Heat treatments
- LF 212 -Material verification
- LF 213 -Verification for QA inspection (For printed wiring boards (PWB), cables, and chassis)
- LF 214 -In-process verification operation of PWB
- LF 215 -Drawing number recording
- LF 216 -Use for tracking FWR
- LF 349 -Panel process data

Note 5

For fabricated equipment, the requester shall determine if NASA Equipment Management System (NEMS) control is required per NPR 4200.1. See also LMS-CP-2734.